

Title (en)
METHOD AND APPARATUS FOR DUAL CHAMBER BI-VENTRICULAR PACING AND DEFIBRILLATION

Title (de)
VERFAHREN UND GERÄT ZUR BIVENTRIKULÄREN ZWEIKAMMERSTIMULATION UND -DEFIBRILLATION

Title (fr)
PROCEDE ET APPAREIL DE STIMULATION ET DE DEFIBRILLATION BI-VENTRICULAIRE A CHAMBRE DOUBLE

Publication
EP 1098675 A2 20010516 (EN)

Application
EP 99934177 A 19990723

Priority
• US 9916656 W 19990723
• US 12152398 A 19980723

Abstract (en)
[origin: WO0004950A2] Device and method are disclosed in which leads with pacing and defibrillating electrodes are implanted into both the right and left ventricles of a patient's heart to enable simultaneous pacing of both ventricles to reduce the width of the QRS complex of the patient's cardiac activity to a more normal duration, and, when appropriate, to apply electrical shock waveforms to both ventricles simultaneously for lower energy defibrillation of the ventricles. In applying the defibrillation therapy, the defibrillating electrode in the left ventricle may be used as the anode and the defibrillating electrode in the right ventricle may be used as the cathode, or both ventricular defibrillating electrodes may be the anode and the metal case in which the shock waveform generator is implanted may be the cathode. Implanting a lead with pacing and defibrillating electrodes in the right atrium enables selective pacing and defibrillation of the atria, in which atrial fibrillation is treated by applying the shock waveform across the right atrial and left ventricular defibrillation electrodes.

IPC 1-7
A61N 1/368; **A61N 1/39**; **A61N 1/05**

IPC 8 full level
A61N 1/05 (2006.01); **A61N 1/362** (2006.01); **A61N 1/39** (2006.01); **A61N 1/368** (2006.01)

CPC (source: EP US)
A61N 1/0563 (2013.01 - EP US); **A61N 1/3627** (2013.01 - EP US); **A61N 1/3962** (2013.01 - EP US); **A61N 1/39622** (2017.07 - EP US);
A61N 1/368 (2013.01 - EP US); **A61N 1/395** (2013.01 - EP US)

Citation (search report)
See references of WO 0004950A2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0004950 A2 20000203; **WO 0004950 A3 20000504**; AU 5006199 A 20000214; EP 1098675 A2 20010516; US 6370427 B1 20020409

DOCDB simple family (application)
US 9916656 W 19990723; AU 5006199 A 19990723; EP 99934177 A 19990723; US 12152398 A 19980723